

## **INTERNATIONAL SEARCH REPORT**

International apprication No.

PCT/U	S03/	3988
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A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : H04Q 7/24				
US CL : 370/338 .				
	International Patent Classification (IPC) or to both n	ational classification and IPC		
	DS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 370/338, 315-326; 455/9-17, 20, 23				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) NPL, EAST				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap		Relevant to claim No.	
A	US 5,875,179 A (TIKALSKY) 23 February 1999 (23.02.1999), columns 4-10.		1-49	
A	US 6,005,884 A (COOK et al) 21 December 1999 (	1-49		
A	US 5,903,553 A (SAKAMOTO et al) 11 May 1999 (11.05.1999), figures 1-4, columns 4-		1-49	
A, E	US 2004/0038707 A1 (KIM) 26 February 2004. See entire document.		1-49	
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Further	r documents are listed in the continuation of Box C.	See patent family annex.		
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"R" carlier ap	pplication or patent published on or after the international filing date	document of particular relevance; the considered novel or cannot be consider	claimed invention cannot be ed to involve an inventive step	
"L" documen establish	t which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	when the document is taken alone  "Y" document of particular relevance; the	daimed invention cannot be	
specified		considered to involve an inventive step combined with one or more other such	when the document is	
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priority (	t published prior to the international filing date but later than the date claimed	"&" document member of the same patent family		
ł	actual completion of the international search	Date of mailing of the international search report		
	04 (19.04.2004)	19 MAY 2004		
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